

Serial Number: 09/691,220

ENTERED

CRF Processing Date: 11/29/2002
Edited by: AC
Verified by: AC (STIC staff) Changed a file from non-ASCII to ASCII Changed the margins in cases where the sequence text was "wrapped" down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____. Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____. Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically:

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DEC 04 2002

 Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically:

TECH CENTER 1600/2900

 A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: Other:



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/691,220

DATE: 11/29/2002
TIME: 17:36:40

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Output Set: N:\CRF4\11292002\I691220.raw

4 <110> APPLICANT: WEI, Ming-Hui et al.
6 <120> TITLE OF INVENTION: ISOLATED HUMAN NUCLEAR HORMONE
7 RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN NUCLEAR
8 HORMONE RECEPTORS, AND USES THEREOF
11 <130> FILE REFERENCE: CL000893
13 <140> CURRENT APPLICATION NUMBER: US 09/691,220
14 <141> CURRENT FILING DATE: 2000-10-19
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 72 Gly Leu Pro Ala Pro Gly Pro Tyr Ser Thr Pro Leu Arg Thr Pro Leu
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 74 Trp Asn Gly Ser Asn His Ser Ile Glu Thr Gln Ser Ser Ser Ser Glu
 75 50 55 60
 76 Glu Ile Val Pro Ser Pro Pro Ser Pro Pro Pro Leu Pro Arg Ile Tyr
 77 65 70 75 80
 78 Lys Pro Cys Phe Val Cys Gln Asp Lys Ser Ser Gly Tyr His Tyr Gly
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 80 Val Ser Ala Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Ile Gln
 81 100 105 110
 82 Lys Asn Met Val Tyr Thr Cys His Arg Asp Lys Asn Cys Ile Ile Asn
 83 115 120 125
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 87 145 150 155 160
 88 Lys Lys Glu Val Pro Lys Pro Glu Cys Ser Glu Ser Tyr Thr Leu Thr
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 90 Pro Glu Val Gly Glu Leu Ile Glu Lys Val Arg Lys Ala His Gln Glu
 91 180 185 190
 92 Thr Phe Pro Ala Leu Cys Gln Leu Gly Lys Tyr Thr Thr Asn Asn Ser
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 95 210 215 220
 96 Glu Leu Ser Thr Lys Cys Ile Ile Lys Thr Val Glu Phe Ala Lys Gln
 97 225 230 235 240
 98 Leu Pro Gly Phe Thr Thr Leu Thr Ile Ala Asp Gln Ile Thr Leu Leu
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 100 Lys Ala Ala Cys Leu Asp Ile Leu Ile Leu Arg Ile Cys Thr Arg Tyr
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 104 Arg Thr Gln Met His Asn Ala Gly Phe Gly Pro Leu Thr Asp Leu Val
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116 Lys Gly Ala Glu Arg Val Ile Thr Leu Lys Met Glu Ile Pro Gly Ser
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RAW SEQUENCE LISTING

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/691,220

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Input Set : A:\PTO.AMC.TXT
Output Set: N:\CRF4\11292002\I691220.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:3; N Pos. 15097,15098,15099,15100,15101,15102,15103,15104,15105,15106
Seq#:3; N Pos. 15107,15108,15109,15110,15111,15112,15113,15114,15115,15116
Seq#:3; N Pos. 15117,15118,15119,15120,15121,15122,15123,15124,15125,15126
Seq#:3; N Pos. 15127,15128



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/691,220

DATE: 11/22/2002
TIME: 08:51:00

Input Set : A:\SEQLIST 893.TXT
Output Set: N:\CRF4\11222002\I691220.raw

4 <110> APPLICANT: WEI, Ming-Hui et al.
6 <120> TITLE OF INVENTION: ISOLATED HUMAN NUCLEAR HORMONE
7 RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN NUCLEAR
8 HORMONE RECEPTORS, AND USES THEREOF
11 <130> FILE REFERENCE: CL000893
13 <140> CURRENT APPLICATION NUMBER: US 09/691,220
14 <141> CURRENT FILING DATE: 2000-10-19
16 <160> NUMBER OF SEQ ID NOS: 4
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

424 <210> SEQ ID NO: 4
425 <211> LENGTH: 459
426 <212> TYPE: PRT
427 <213> ORGANISM: Rattus norvegicus
429 <400> SEQUENCE: 4
430 Met Tyr Glu Ser Val Glu Val Gly Gly Leu Thr Pro Ala Pro Asn Pro
431 1 5 10 15
432 Phe Leu Val Val Asp Phe Tyr Asn Gln Asn Arg Ala Cys Leu Leu Gln
433 20 25 30
434 Glu Lys Gly Leu Pro Ala Pro Gly Pro Tyr Ser Thr Pro Leu Arg Thr
435 35 40 45
436 Pro Leu Trp Asn Gly Ser Asn His Ser Ile Glu Thr Gln Ser Ser Ser
437 50 55 60
438 Ser Glu Glu Ile Val Pro Ser Pro Pro Ser Pro Pro Pro Leu Pro Arg
439 65 70 75 80
440 Ile Tyr Lys Pro Cys Phe Val Cys Gln Asp Lys Ser Ser Gly Tyr His
441 85 90 95
442 Tyr Gly Val Ser Ala Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser
443 100 105 110
444 Ile Gln Lys Asn Met Val Tyr Thr Cys His Arg Asp Lys Asn Cys Ile
445 115 120 125
446 Ile Asn Lys Val Thr Arg Asn Arg Cys Gln Tyr Cys Arg Leu Gln Lys
447 130 135 140
448 Cys Phe Glu Val Gly Met Ser Lys Glu Ser Val Arg Asn Asp Arg Asn
449 145 150 155 160
450 Lys Lys Lys Glu Thr Pro Lys Pro Glu Cys Ser Glu Ser Tyr Thr
451 165 170 175
452 Leu Thr Pro Glu Val Gly Glu Leu Ile Glu Lys Val Arg Lys Ala Asn
453 180 185 190
454 Gln Glu Thr Phe Pro Ala Leu Cys Gln Leu Gly Lys Tyr Thr Thr Asn

P, 2
Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/691,220

DATE: 11/22/2002
TIME: 08:51:00

Input Set : A:\SEQLIST_893.TXT
Output Set: N:\CRF4\11222002\I691220.raw

455 195 200 205
456 Asn Ser Ser Glu Gln Arg Val Ser Leu Asp Ile Asp Leu Trp Asp Lys
457 210 215 220
458 Phe Ser Glu Leu Ser Thr Lys Cys Ile Ile Lys Thr Val Glu Phe Ala
459 225 230 235 240
460 Lys Gln Leu Pro Gly Phe Thr Thr Leu Thr Ile Ala Asp Gln Ile Thr
461 245 250 255
462 Leu Leu Lys Ala Ala Cys Leu Asp Ile Leu Ile Leu Arg Ile Cys Thr
463 260 265 270
464 Arg Tyr Thr Pro Glu Gln Asp Thr Met Thr Phe Ser Asp Gly Leu Thr
465 275 280 285
466 Leu Asn Arg Thr Gln Met His Asn Ala Gly Phe Gly Pro Leu Thr Asp
467 290 295 300
468 Leu Val Phe Ala Phe Ala Asn Gln Leu Leu Pro Leu Glu Met Asp Asp
469 305 310 315 320
470 Ala Glu Thr Gly Leu Leu Ser Ala Ile Cys Leu Ile Cys Gly Asp Arg
471 325 330 335
472 Gln Asp Leu Glu Gln Pro Asp Lys Val Asp Met Leu Gln Glu Pro Leu
473 340 345 350
474 Leu Glu Ala Leu Lys Val Tyr Val Arg Lys Arg Arg Pro Ser Gln Pro
475 355 360 365
476 His Met Phe Pro Lys Met Leu Met Lys Ile Thr Asp Leu Arg Ser Ile
477 370 375 380
478 Ser Ala Lys Gly Ala Glu Arg Val Ile Thr Leu Lys Met Glu Ile Pro
479 385 390 395 400
480 Gly Ser Met Pro Pro Leu Ile Gln Glu Met Leu Glu Asn Ser Glu Gly
481 405 410 415
482 Leu Asp Thr Leu Ser Gly Gln Ser Gly Gly Thr Arg Asp Gly Gly
483 420 425 430
484 Gly Leu Ala Pro Pro Gly Ser Cys Ser Pro Ser Leu Ser Pro Ser
485 435 440 445
486 Ser His Arg Ser Ser Pro Ala Thr Gln Ser Pro
487 450 455

E--> 489 (1)

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/691,220

DATE: 11/22/2002

TIME: 08:51:01

Input Set : A:\SEQLIST_893.TXT

Output Set: N:\CRF4\11222002\I691220.raw

L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2280
L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:15060
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:15120
L:489 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4